

# webermix SBR

## Premium Grade General Purpose Latex Admixture



**webermix SBR** is a ready to use, multi-purpose, Styrene Butadiene Rubber Latex Admixture, suitable for a variety of building applications. Manufactured to stringent internal Quality Assurance System, conforming to ISO 9001 2008.

### TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Colour</b>	Milky White Liquid
<b>Specific Gravity</b>	1.01
<b>Viscosity</b>	100 - 150 mPa.s
<b>pH</b>	9 - 10
<b>Shelf Life</b>	12 months
<b>Inflammability</b>	No
<b>Toxicity Hazard</b>	No
<b>Mix Proportion</b>	:Slurry Bond Coat = 1 part by weight (pbw) webermix SBR 1.5 cement
<b>pbw</b>	:Additive for cement-sand mortar = 10 - 15 ltrs mix SBR per kg Cement mix (+ 150 - 200 kg wash sharp sand)
<b>every 50</b>	:Primer for Building Boards = Apply Neat (No dilution)
<b>pbw</b>	:Waterproofing / Damp Proofing = 1 pbw webermix SBR 1.5 cement
<b>Pot Life ((Slurry Bond Coat)</b>	Approx. 1 hour at 25°C
<b>Application Temperature</b>	Above 4°C - 50°C
<b>Temperature Resistance</b>	100°C
<b>Frost Resistance</b>	Good
<b>Water Resistance</b>	Very Good
<b>Resistance to acids</b>	Fair
<b>Resistance to alkalis</b>	Fair
<b>Resistance to oil &amp; solvents</b>	Fair
<b>Damp Resistance</b>	Fair
<b>Flexibility</b>	Good
<b>Compressive Strength (with 1 3 Cement Sand Mortar)</b>	
<b>EN ISO 13007 - 4 Clause 4.5</b>	
<b>After 28 Days Air</b>	≥ 35 N/mm <sup>2</sup>
<b>Compressive Strength (As Slurry Bond Coat)</b>	
<b>EN ISO 13007 - 4 Clause 4.5</b>	
<b>After 28 Days Air</b>	≥ 40 N/mm <sup>2</sup>
<b>Flexural Strength (with 1 3 Cement Sand Mortar)</b>	
<b>EN ISO 13007 - 4 Clause 4.5</b>	
<b>After 28 Days Air</b>	≥ 10 N/mm <sup>2</sup>
<b>Flexural Strength (As Slurry Bond Coat)</b>	
<b>EN ISO 13007 - 4 Clause 4.5</b>	
<b>After 28 Days Air</b>	≥ 11 N/mm <sup>2</sup>
<b>Tensile Adhesive Strength (As slurry Bond Coat)</b>	
<b>After 28 Days Air</b>	≥ 2.0 N/mm <sup>2</sup>
<b>After Water Immersion</b>	≥ 1.4 N/mm <sup>2</sup>
<b>After Heat Ageing</b>	≥ 1.6 N/mm <sup>2</sup>

## GENERAL PERFORMANCE

**webermix SBR** is suitable for use at dry or wet areas, internal or external areas including areas under immersion of water (swimming pool, water tank etc.).

Cement or Cement-Sand Mortar fortified with **webermix SBR** Latex Admixture affords improved Adhesion Strength, Cohesive Strength, Flexural Strength, Abrasion Resistant, Frost Resistant, Durability, Reduces Water Permeability, Reduces Drying Shrinkage, Reduces Surface Dusting, Minimizes Efflorescence, Improved Workability etc.

Its excellent water resistant & reduce water permeability properties makes it most ideal for swimming pools or similar wet-duty installations. **webermix SBR** enhances adhesion strength, therefore allows cement or cement-sand mortar to adhere to a wide variety of substrates including dense or smooth concrete, waterproofing, steel etc. It also improves resistance of cementitious mortar to certain chemicals, Cement-Sand mortars incorporated with **webermix SBR** can also be applied in much thinner sections. mix SBR is highly resistance to salt permeation.

**webermix SBR** can also be use as admixture with concrete mix & plaster coat for various building applications.

**Note :**

As some solid matter in **webermix SBR** may settle during storage, it is essential to stir well before use. Not to be use in temperature lower than 4°C

## INSTRUCTION FOR USE

**webermix SBR** is suitable for the following usage :

- (a) Slurry Bond Coat (Bonding Agent, Spatterdash) :

When used as a Slurry Bond Coat (Bonding Agent) at mix proportion of 1 part **webermix SBR** to 1.5 parts Portland cement by weight, it is most suitable to improve adhesion of cement-sand render / screed to smooth or dense concrete. Brush bonding agent onto the concrete surface with a stiff brush at approx.. 1 mm thick. Apply rendering / screeding mortar, while the bonding agent is still wet or tacky. If the main purpose is to obtain better adhesion between render / screed with the background, this application is sufficient.

- (b) Additive for Cement-Sand Renders & Screeds :

Cement-Sand Mortar (for rendering / screeding) can be mixed with **webermix SBR** to replace or partially replace gauging water. Mortars fortified with mix SBR have improved adhesion strength, cohesive strength, flexural strength, abrasion resistant, frost resistant, durability, reduced water permeability, reduced drying shrinkage, reduced surface dusting, minimizes efflorescence, improved workability etc.

Mixing procedure is similar to that of traditional mortar, except for the partial or total replacement of gauging water with **webermix SBR**. A standard mix of 50 kg Portland cement to 150 – 200 kg sand (1 : 3 – 4) will require approx.. 10 – 15 liters of **webermix SBR** (a little addition of water may be required to adjust working consistency).

Do not incorporate workability aids such as lime or mortar plasticizer; as **webermix SBR** has a considerable plasticizing action of it's own. When applying render / screed, ensure that the background is dry, sound & free of contamination ie. dust, grease, laitance etc.

• **(c) A combination of usage (a) & (b) :**

In special circumstances methods (a) & (b) can be combined for best result. This combined technique is usually required for rendering & screeding of swimming pool shells where the concrete is dense, impervious, waterproofed and where maximum water resistant is desirable. This combined procedure should be used where high hydrostatic pressure or loading is anticipated. This system is also suited for external rendering & screeding.

**Note :**

It may be necessary to dampen porous surface to control water absorption before applying bonding agent or rendering / screeding mortar.

• **(d) Primer for Building Boards & Vinyl Tiles :**

When fixing Ceramic Tiles etc. onto Building Boards eg. Plywood, Cement-Fiber Board, Chipboard, Gypsum Plaster Board and Vinyl Tiles, the surface should be primed with a layer of neat **webermix SBR**. Allow primer to dry for 10 - 15 minutes; prior to fixing tiles with Saint-Gobain Weber Malaysia range of adhesives.

As a neat primer, **webermix SBR** seals surface dust, protect boards from moisture and aids adhesion of adhesive to the substrate.

• **(e) Patch Repair of Cracked Concrete :**

Saw cut along cracks to create a 'V' shape groove of sufficient depth. Clean joints of contaminations. Apply a layer of bonding agent, followed by immediate patching with a 1 : 3 - 4 cement-sand mortar modified with **webermix SBR**. The addition of **webermix SBR** enables "feather edging" of patching mortar.

• **(f) Additive for Plaster (& Bonding Agent) :**

Ensure surface is dry, sound and free of contaminants. Slurry bond coat : dilute 1 part **webermix SBR** with 4 parts of water and add 9 parts of Plaster. Dampen surface before applying slurry bond coat in the approve manner. Additive in plaster : mix 2 - 4 liters **webermix SBR** with approx.. 50 kg plaster and apply the plastering mix, while slurry bond coat is still wet / tacky.

• **(g) Plaster Primer :**

**webermix SBR** can also be use to primer plaster surface to enhance its inherent strength and reduce dusting. Dilute 1 part **webermix SBR** with 4 part water & brush onto the finished plaster coat.

• **(h) Steel / Metal Protection :**

Mix 1 part **webermix SBR** to 1.5 part Portland cement by weight (similar to slurry bond coat). Brush apply over steel bars, metal plate etc. to prevent rusting.

• **(i) Light Duty Waterproofing / Damp Proofing :**

Mix 1 part **webermix SBR** to 1.5 part Portland cement by weight (similar to slurry bond coat). Brush apply 2 coats (second coat from a right angle to the first coat) to function as Light Duty water proofing or damp proofing to internal areas ie. toilets, kitchen, balcony etc.

• **(j) Bonding Agent on Steel / Metal (Direct Tiling) :**

Mix 1 part **webermix SBR** to 1.5 part ordinary Portland cement by weight (or 1 pbv **webermix SBR** to 1 pbv Weber cement-based adhesive). Mix to a thin slurry consistency. Brush onto steel / metal surface. allow to set for 24 hours. Fix ceramic tiles using **weberset x'tra flex**.

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## COVERAGE

Neat Primer	: Approx. 12 m <sup>2</sup> per liter (1 coat)
Slurry Bond Coat	: Approx. 3 m <sup>2</sup> per liter (1 coat)
Additive for Cement-Sand Mortar (Render / Screed) mm	: At 10 liters to 50 kg Portland cement: 150 – 200 kg washed sharp sand mix – Approx 0.8 m <sup>2</sup> per liter at 12 thick layer.
Additive for Plaster plaster)	: Approx. 5 m <sup>2</sup> per ltr at 12 mm thickness (2 liters per 50 kg plaster)
Damp proofing/waterproofing	: Approx. 1.5 m <sup>2</sup> per liter (2 coats)

## PACKING

Available in 1, 4 & 25 ltrs plastic containers.

## SHELF LIFE / STORAGE

At least 12 months; when stored in dry conditions of normal ambient temperature. Store out of direct sunlight.

## TECHNICAL SERVICES

For further details or recommendation please contact our Technical Advisory / Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

## PRECAUTION

Avoid inhaling dust. If material enter eyes, wash out immediately with Clean Water. May cause minor skin irritation; therefore use suitable gloves. Keep out of children reach

## Conditions Of Sales

Sold subject to Company's Condition of Sale, which is available upon request.

\*Note Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain Weber (M) Sdn Bhd reserves the rights to amend the contents of the data sheet at its sole discretion. (Aug '24)



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